

SEP 23 2005
10728149

PETITION FOR EXTENSION OF TIME UNDER 37 CFR 1.136(a)		Docket Number (Optional) 085013-0306980
FY 2005 (Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).)		
Application Number 10/728,149		Filed December 4, 2003
For See Addendum		
Art Unit 2835		Examiner GREGORY D. THOMPSON

This is a request under the provisions of 37 CFR 1.136(a) to extend the period for filing a reply in the above identified application.

The requested extension and fee are as follows (check time period desired and enter the appropriate fee below):

	<u>Fee</u>	<u>Small Entity Fee</u>	
<input type="checkbox"/> One month (37 CFR 1.17(a)(1))	\$120	\$60	\$ _____
<input type="checkbox"/> Two months (37 CFR 1.17(a)(2))	\$450	\$225	\$ _____
<input checked="" type="checkbox"/> Three months (37 CFR 1.17(a)(3))	\$1020	\$510	\$ <u>1,020.00</u>
<input type="checkbox"/> Four months (37 CFR 1.17(a)(4))	\$1590	\$795	\$ _____
<input type="checkbox"/> Five months (37 CFR 1.17(a)(5))	\$2160	\$1080	\$ _____

- Applicant claims small entity status. See 37 CFR 1.27.
- A check in the amount of the fee is enclosed.
- Payment by credit card. Form PTO-2038 is attached.
- The Director has already been authorized to charge fees in this application to a Deposit Account.
- The Director is hereby authorized to charge any fees which may be required, or credit any overpayment, to Deposit Account Number 161805. I have enclosed a duplicate copy of this sheet.

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

I am the applicant/inventor.

- assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed (Form PTO/SB/96).
- attorney or agent of record. Registration Number 55252
- attorney or agent under 37 CFR 1.34.
Registration number if acting under 37 CFR 1.34 _____

Signature
Ryan E. Hatch
Reg. No. 55252

Typed or printed name

September 21, 2005

Date

(213) 488.7417

Telephone Number

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.136(a). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 6 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Adjustment Date: 12/16/2005 SDIRETA1
09/26/2005 HLE333 00000033 161805 10728149
01 FC:1253 1020.00 CR

12/16/2005 SDIRETA1 00000002 161805 10728149

01 FC:1251 120.00 DA

09/26/2005 HLE333 00000033 161805 10728149
01 FC:1253 1020.00 DA

PATENT AND TRADEMARK OFFICE

PATENT

85013-306980

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:
Chihei KITAHARA

Serial No.: 10/728,149

Filed: December 4, 2003

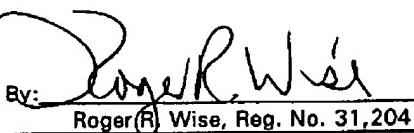
Confirmation No.: 9880

Date of Notice of Allowance:
October 5, 2005

Group Art Unit: 2835

For: **ELECTRONIC SYSTEM HAVING ELECTRONIC APPARATUS FOR BUILT-IN HEAT GENERATING COMPONENT AND COOLING APPARATUS TO COOL THE ELECTRONIC APPARATUS**

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: MAIL STOP 16, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on November 7, 2005.

By: 
Roger R. Wise, Reg. No. 31,204

REQUEST FOR REFUND

MAIL STOP 16
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

An Office Action dated May 24, 2005 was issued for the above-referenced application. The due date to respond to the office action was on August 24, 2005. A response was submitted on September 21, 2005 together with a Petition for Extension of Time. However, instead of submitting a Petition for Extension for One Month, the applicant's attorney inadvertently filed a

THIS IS AVAILABLE COPY

PATENT

85013-306980

Petition for Extension of Time for Three Months and paid the extension fee of \$1,020.00, instead of \$120.00, which is the extension fee for one month. The extension fee of \$1,020.00 was charged to the undersigned attorney's deposit account as can be seen in the USPTO Deposit Account Statement. The following documents are enclosed for your reference:

- X Office Action dated May 24, 2005.
- X Amendment in Response to the Office Action
- X Petition for Extension of Time for Three Months.
- X USPTO Deposit Account Statement.

In this regard, the undersigned respectfully requests for a refund in the amount of \$900.00 (the difference between \$1,020.00 and \$120.00) to be credited to Deposit Account Number 16-1805.

Respectfully submitted,

PILLSBURY WINTHROP SHAW PITTMAN LLP

By:


Roger R. Wise
Registration No. 31,204
Attorney for Applicant(s)

Dated: November 7, 2005

725 South Figueroa Street, Suite 2800
Los Angeles, CA 90017-5406
Telephone: (213) 488-7100
Facsimile: (213) 629-1033

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Effective on 12/08/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL for FY 2005

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 1,020)

Complete If Known

Application Number	10/728,149
Filing Date	December 4, 2003
First Named Inventor	CHIHEI KITAHARA
Examiner Name	GREGORY D. THOMPSON
Art Unit	2835
Attorney Docket No.	085013-0306980

METHOD OF PAYMENT (check all that apply)

 Check Credit Card Money Order None Other (please identify): Deposit Account Deposit Account Number: 161805

Deposit Account Name: PILLSBURY WINTHROP SHAW PITTMAN LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

- Charge fee(s) indicated below Charge fee(s) indicated below, except for the filing fee
 Charge any additional fee(s) or underpayment of fees(s) Credit any overpayments

WARNING: Information on this form may become public. Credit Card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fee Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	_____
Design	200	100	100	50	130	65	_____
Plant	200	100	300	150	160	80	_____
Reissue	300	150	500	250	600	300	_____
Provisional	200	100	0	0	0	0	_____

2. EXCESS CLAIM FEES

Fee Description

Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent

Small Entity Fee (\$)

Fee (\$)

Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent

Fee (\$)

Fee (\$)

Multiple dependent claims

Fee (\$)

Fee (\$)

Fee (\$)

Fee (\$)

Total Claims - 20 or HP = 0 x Fee (\$) = Fee Paid (\$)

HP = highest number of total claims paid for, if greater than 20

Indep. Claims - 3 or HP = 0 x Fee (\$) = Fee Paid (\$)

HP = highest number of independent claims paid for, if greater than 3

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(e)(1)(G) and 37 CFR 1.16(e).

Total Sheets - 100 = Extra Sheets /50= Number of each additional 50 or fraction thereof x Fee (\$) = Fee Paid (\$)

4. OTHER FEE(S)

Non-English Specification, 130 fee (no small entity discount)

Other: Extension for Response Within Third Month

Fee Paid (\$)

Fee Paid (\$)

Fee Paid (\$)

SUBMITTED BY

Signature	Ryan E. Hatch	Registration No. (Attorney/Agent)	55252	Telephone	213488.7417
Name (Print/Type)				Date	September 21, 2005

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/728,149	12/04/2003	Chihel Kitahara	85013-306980	9880
7590	05/24/2005			
Roger R. Wise PILLSBURY WINTHROP LLP Suite 2800 725 South Figueroa Street Los Angeles, CA 90017-5406			EXAMINER THOMPSON, GREGORY D	
			ART UNIT 2835	PAPER NUMBER
DATE MAILED: 05/24/2005				

Please find below and/or attached an Office communication concerning this application or proceeding.

RECEIVED
PILLSBURY WINTHROP LLP/LA

MAY 26 2005

CL# 085013 MT# 0306980
ATTY(S) TOSHIBA CORP. 90 SUZUKE
DUE: MAY 24, 2005
DKT BY (1) WSG (2)

H.A

Office Action Summary	Application No.	Patent Number 10/728,149	Applicant(s) KITAHARA, CHIHEL
	Examiner	Gregory D. Thompson 7285	Art Unit 2835

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 04 December 2003.
- 2a) This action is FINAL. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 14-18 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 14 and 16-18 is/are rejected.
- 7) Claim(s) 15 is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. 10/202,625.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>8/10/04</u> | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| | 6) <input type="checkbox"/> Other: _____ |

Application/Control Number: 10/728,149
Art Unit: 2835

2010-07-12 10:32

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102
that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 14, 16-18 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by Behl.

The portable apparatus would be 12 having a heat generating component (not shown) inherently therein with a slot 20 with a first connector (not shown) inherently therein with the slot 20 receiving a cooling module having an electric fan, cooling device 38 with a second connector 32 connected to the first connector of the apparatus 12 to supply fan, device 38 with power (col. 4, lines 63-64). The fan 38 would be connected (broad term) by air flow (thermally) from fan 38 across the component and electrically since when the computer operates as discussed in col. 4, lines 63-64 the fan 38 would be electrically connected (broad term) to the overall computer apparatus circuit diagram path or pattern in which the component is electrically interconnected to provide computer operation.

Regarding claim 16, the second connector 32 having 68 contact pins which would be composed of metal received in standard metal sockets or openings in the first connector would be thermally connected since leads 40 of fan 38 which would be composed of conductive metal, copper would naturally conduct heat on their length to the pins and metal sockets.

Application/Control Number: 10/728,149
Art Unit: 2835

2007-07-10 11:49:02

2. Claim 15 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The art does not teach nor suggest a second connector such as 83 in fig. 3 of the application coupled to sink 71 and exposed outside the apparatus.

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Sachs discloses a cooling module 10 powered by a connector of a cabinet when inserted.. *(y)C 19-24 allowable*

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Gregory Thompson whose telephone number is (571)272-2045. The examiner can normally be reached on Monday-Thursday from 6:00am to 4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lynn Feild, can be reached on (571)272-2800, ext. 35. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.



Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should

Application/Control Number: 10/728,149
Art Unit: 2835

PATENT AND TRADEMARK
Page 4

you have questions on access to the Private PAIR system, contact the Electronic
Business Center (EBC) at 866-217-9197 (toll-free).

Thompson/ds

05/12/05


Gregory Thompson
Primary Examiner



INFORMATION DISCLOSURE CITATION IN AN APPLICATION							Doc. I Number (Optional) 85013-3-0980	Applicant No. UNASSIGNED	
(Use several sheets if necessary)							Applicant C. KITAHARA		
							Filing Date DECEMBER 4, 2003	Group Art Unit UNKNOWN	
U.S. PATENT DOCUMENTS									
EXAMINER INITIAL	DOCUMENT NUMBER				DATE	NAME	CLASS	SUBCLAS S	FILING DATE IF APPROPRIATE
<i>J. D. J.</i>	6 0 8 4 7 6 9				07/04/00	Moore et al.			
<i>J.</i>	6 0 9 4 3 4 7				07/25/00	Bhatia			
	6 2 4 1 0 5 B1				06/05/01	Kitahara et al.			
	6 2 7 5 9 4 5 B1				08/14/01	Tsujii et al.			
	6 2 7 6 4 4 8 B1				08/21/01	Maruo			
<i>J.</i>	6 3 4 3 0 1 0 B1				01/29/02	Tanaka			
	6 3 6 3 5 3 6 B1				03/05/02	Nakamura et al.			
<i>J. D. J.</i>	6 4 0 7 9 2 1 B1				06/18/02	Nakanura et al.			
FOREIGN PATENT DOCUMENTS									
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLAS S	Translated in			
<i>J. D. J.</i>	2 0 7 0 6 JA	07/28/00	Japan			Yes	No		
<i>J. D. J.</i>	2 3 1 4 2 4 A	08/22/00	Japan			Yes	No		
<i>J. D. J.</i>	10 2 7 5 0 3 4	10/13/00	Japan			Yes	No		
OTHER DOCUMENTS (Including Action, Etc., Due, Pertinent Pages, Etc.)									
EXAMINER	DATE CONSIDERED				<i>10/05</i>				
EXAMINER: Initial if citation conformed to or not citation is in conformance with MPEP §608; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.									

BEST AVAILABLE COPY

FORM PTO-1449 (modified)
 To: U.S. Department of Commerce
 (PW FORM PAT-1449)
 - Patent and Trademark Office



**INFORMATION DISCLOSURE STATEMENT
BY APPLICANT**

Date: June 2, 2004

Page 1 of 1

Atty. Dkt. No.	Ref. No.	Client Ref.
	0306980	3KG032527-USA-A

Applicant: KITAHARA

Appln. No.: 10/728,149

Filing Date: December 4, 2003

Examiner: Unknown Group Art Unit: 2835

US PATENT DOCUMENTS

Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
AR						
BR						
CR						
DR						
ER						
FR						
GR						
HR						
IR						
JR						
KR						

FOREIGN PATENT DOCUMENTS

	Document Number	Date MM/YYYY	Country	Inventor Name	English Abstract	Translation Readily Available	Enclosed	No	Enclose	No
LR	1192544	09/1998	China				X			
MR	1242686	01/2000	China				X			
NR	1249469	04/2000	China				X			
OR										
PR										
QR										
RR										
SR										
TR										
UR										
VR										

OTHER (including in this order: Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

WR				
XR				
YR				
ZR				

Examiner *JUN 7 2004*

Date Considered:

JUN 7 2004

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

Notice of References Cited		Application/Control No.	Applicant(s)/Patent Under Reexamination	
		10/728,149	KITAHARA, CHIHEL	
Examiner		Art Unit		Page 1 of 1
Gregory D. Thompson		2835		

U.S. PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
A	US-6,104,607	08-2000	Behl, Sunny	361/687
B	US-5,562,410	10-1996	Sachs et al.	415/213.1
C	US-			
D	US-			
E	US-			
F	US-			
G	US-			
H	US-			
I	US-			
J	US-			
K	US-			
L	US-			
M	US-			

FOREIGN PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
N					
O					
P					
Q					
R					
S					
T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

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PETITION FOR EXTENSION OF TIME UNDER 37 CFR 1.136(a)		Docket Number (Optional)
FY 2005 (Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4810).)		085013-0306980
Application Number 10/728,149		Filed December 4, 2003
For See Addendum		
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<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.		
<input type="checkbox"/> A check in the amount of the fee is enclosed.		
<input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.		
<input type="checkbox"/> The Director has already been authorized to charge fees in this application to a Deposit Account.		
<input checked="" type="checkbox"/> The Director is hereby authorized to charge any fees which may be required, or credit any overpayment, to Deposit Account Number <u>161805</u> . I have enclosed a duplicate copy of this sheet.		
WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.		
I am the <input type="checkbox"/> applicant/inventor.		
<input type="checkbox"/> assignee of record of the entire interest. See 37 CFR 3.71. Statement under 37 CFR 3.73(b) is enclosed (Form PTO/SB/96).		
<input checked="" type="checkbox"/> attorney or agent of record. Registration Number <u>55252</u>		
<input type="checkbox"/> attorney or agent under 37 CFR 1.34. Registration number if acting under 37 CFR 1.34 _____		
<u>JK/12</u>		Signature _____ By <u>Ryan E. Wetzel</u>
Date <u>September 21, 2005</u>		

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required; see below.

Total of _____ 1 forms are submitted

This collection of information is required by 37 CFR 1.136(a). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 6 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Addendum

Invention Title:

**ELECTRONIC SYSTEM HAVING ELECTRONIC APPARATUS FOR BUILT-IN
HEAT GENERATING COMPONENT AND COOLING APPARATUS TO COOL THE
ELECTRONIC APPARATUS**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**In re PATENT APPLICATION of:
CHIHEI KITAHARA**

Confirmation Number: 9880

Application No.: 10/728,149

Group Art Unit: 2835

Filed: December 4, 2003

Examiner: GREGORY D. THOMPSON

For: ELECTRONIC SYSTEM HAVING ELECTRONIC APPARATUS FOR BUILT-IN
HEAT GENERATING COMPONENT AND COOLING APPARATUS TO COOL THE
ELECTRONIC APPARATUS

**Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450**

AMENDMENT/RESPONSE TRANSMITTAL

Transmitted herewith is an amendment/response for this application.

EXTENSION OF TIME

The proceedings herein are for a patent application and the provisions of 37 C.F.R. 1.136 apply. Applicant petitions for a 3 months extension of time under 37 C.F.R. 1.136.

FFFFS

The fee for claims and extension of time (37 C.F.R. 1.16 and 1.17) has been calculated as shown below:

CLAIMS REMAINING HIGHEST NO.		AFTER PREVIOUSLY PRESENT			ADDIT. FEE	
AMENDMENT	PAID FOR	EXTRA	RATE			
TOTAL	10	- 20 = 0	\$ 50.00	x	\$	0.00
INDEP.	5	- 5 = 0	\$ 200.00	x	\$	0.00
FIRST PRESENTATION OF MULTIPLE DEP.			\$ 360.00	+	\$	0.00
CLAIM						
TOTAL ADDITIONAL CLAIM FEE					\$	0.00
EXTENSION OF TIME FEE					\$	1,020.00
GRAND TOTAL					\$	1,020.00

Attorney's Docket 085013-0306980
Client Reference: T5TM-01S0764-1D

PATENT

FEE PAYMENT

Authorization is hereby made to charge the amount of \$1,020.00 to Deposit Account No. 161805. Charge any additional fees required by this paper or credit any overpayment in the manner authorized above. A duplicate of this paper is attached.

Date: September 21, 2005

PILLSBURY WINTHROP SHAW PITTMAN LLP
725 South Figueroa Street
Suite 2800
Los Angeles, CA 90017-5406
213 488.7417


RYAN E. HATCH

Reg. No. 55252

CERTIFICATION UNDER 37 C.F.R. §§ 1.8 and/or 1.10*
(When using Express Mail, the Express Mail label number is *mandatory*; *Express Mail certification is optional*.)

I hereby certify that, on the date shown below, this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date: September 21, 2005


Signature

RYAN E. HATCH

(type or print name of person certifying)

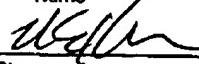
* Only the date of filing (§ 1.6) will be the date used in a patent term adjustment calculation, although the date on any certificate of mailing or transmission under § 1.8 continues to be taken into account in determining timeliness. See § 1.703(f). Consider "Express Mail Post Office to Addressee" (§ 1.10) or facsimile transmission (§ 1.6(d)) for the reply to be accorded the earliest possible filing date for patent term adjustment calculations.

PATENT
085013-0306980

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:
KITAHARA
Serial No: 10/728,149
Filed: 12/04/2003
For: ELECTRONIC SYSTEM HAVING
ELECTRONIC APPARATUS FOR BUILT-IN
HEAT GENERATING COMPONENT AND
COOING APPARATUS TO COOL THE
ELECTRONIC APPARATUS

) Art Unit: 2835
Examiner: Thompson, Gregory D.

I hereby certify that this correspondence is
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first class mail in an envelope addressed to:
Commissioner for Patents, P.O. Box 1450,
Alexandria, VA 22313-1450, on
September 21, 2005
Date of Deposit
Ryan E. Hatch, Reg. No. 55,252
Name

Signature
Sept. 21, 2005
Date

AMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Examiner Thompson:

In response to the May 26, 2005 Office Action, for which the due date for response has been extended to September 26, 2005 pursuant to the enclosed Petition for Extension of Time, please enter and consider the following amendment and remarks in connection with the above-identified application.

IN THE CLAIMS:

Please amend the claims as follows:

1-14. (Cancelled)

15. (Currently amended)

A cooling apparatus, detachably coupled with a portable electronic apparatus having a heat generating component and a first connector to supply power, to cool said heat generating component, comprising:

a cooling module having an electric fan and being connected to said heat generating component when coupled with said portable electronic apparatus; and
a second connector, electrically connected to said electric fan, being connected to said first connector when coupled with said portable electronic apparatus to supply said electric fan with the power received from the first connector;

The cooling apparatus according to claim 14, wherein said cooling module includes a heat sink thermally connected to said heat generating component when coupled with said portable electronic apparatus and is cooled by said electric fan, and said second connector is coupled to said heat sink and is exposed outside the cooling apparatus.

16. (Currently amended) A cooling apparatus, detachably coupled with a portable electronic apparatus having a heat generating component and a first connector to supply power, to cool said heat generating component, comprising:

a cooling module having an electrically-driven cooling device and being connected to said heat generating component when coupled with said portable electronic apparatus; [and]

a heat sink thermally connected to said heat generating component; and
a second connector electrically connected to said cooling device and thermally connected to said first connector when coupled with said portable electronic apparatus to supply said cooling device with the power received from the first [first] connector[.]:

wherein said second connector is coupled to said heat sink.

17. (Currently amended) A cooling apparatus, comprising:
a cooling module, having an electric fan, adapted to couple with a portable electronic apparatus having a heat-generating component and a first connector to supply power; [and]

a heat sink thermally connected to said heat-generating component; and
a second connector, electrically connected to said electric fan, being connected to said first connector when coupled with said portable electronic apparatus to supply said electric fan with the power received from the first connector[.];

wherein said second connector is coupled to said heat sink.

18. (Currently amended) A cooling apparatus, comprising:
a cooling module, having an electrically-driven cooling device, adapted to couple with a portable electronic apparatus having a heat generating component and a first connector to supply power; [and]

a heat sink thermally connected to said heat generating component; and
a second connector, electrically connected to said cooling device, being connected to said first connector when coupled with said portable electronic apparatus to supply said cooling device with the power received from the first connector[.];

wherein said second connector is coupled to said heat sink.

19. (Previously presented) A cooling apparatus, detachably coupled to an electronic apparatus having a first heat sink thermally connected to a heat generating component and a first connector to supply power provided in the first heat sink, and which cools the heat generating component, said cooling apparatus comprising:

a second heat sink thermally connected to the first heat sink when coupled to the electronic apparatus;

an electronic fan to supply cooling air to the second heat sink; and

a second connector provided in the second heat sink, the second connector being electrically connected to the electronic fan, and being brought into connection with the first connector to supply power to the electronic fan when coupled with the electronic apparatus.

20. (Previously presented) The cooling apparatus according to claim 19, wherein the second heat sink has a heat receiving portion thermally connected to the first heat sink, and the second connector is provided in the heat receiving portion.

21. (Previously presented) The cooling apparatus according to claim 19, wherein the first connector and the second connector each have terminals supplied with a signal to control rotation of the electronic fan.

22. (Previously presented) The cooling apparatus according to claim 19, wherein the first connector and the second connector each have terminals supplied with a signal to recognize mutual coupling of the electronic apparatus and the cooling apparatus.

23. (Previously presented) The cooling apparatus according to claim 19, further including an apparatus main body on which the electronic apparatus rests, the

second heat sink being movable between a thermal connection position which is projected from the apparatus main body and is thermally connected to the first heat sink, and a housing position which is contained within the apparatus main body, wherein when the second heat sink moves to the thermal connection position, the second connector is electrically connected to the first connector, and when the second heat sink moves to the housing position, an electrical connection between the second connector and the first connector is disengaged.

24. (Previously presented) The cooling apparatus according to claim 23, further including an operation mechanism to move the second heat sink to at least one of the thermal connection position and the housing position, and a switch to close a circuit to connect the second connector and the electric fan when the second heat sink moves to the thermal connection position, and to open the circuit when the second heat sink moves to the housing position, the switch being opened and closed by the operation mechanism.

REMARKS

Claims 15 - 24 are pending. Claim 14 has been cancelled and claims 15-18 have been amended. No new matter has been introduced.

In the May 26, 2005 Office Action, the Examiner rejected claims 14 and 16-18, and objected to claim 15. Claims 19-24 were added by a Preliminary Amendment, but not addressed in the May 26, 2005 Office Action.

In the May 26, 2005 Office Action, the Examiner stated that the art does not teach nor suggest a second connector such as 83 in Fig. 3 of the application coupled to sink 71 and exposed outside the apparatus. The Examiner stated that Claim 15 would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. Applicant has rewritten claim 15 to be in independent form including all limitations of claim 14, and therefore submits that claim 15 is allowable.

Applicant has amended claims 16-19 to recite limitations similar to amended claim 15. Specifically, these claims now recite a *heat sink thermally connected to said heat generating component ... wherein said second connector is coupled to said heat sink*. Thus, Applicant submits that claims 16-19 are also allowable.

On September 8, 2005, Applicant's attorney had a telephonic interview with the Examiner. The Examiner indicated that he would create an interview summary for the file. In the interview, the Examiner indicated that the art does not teach or suggest a *second heat sink thermally connected to the first heat sink when coupled to the electronic apparatus and a second connector provided in the second heat sink, the second connector being electrically connected to the electronic fan, and being brought*

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into connection with the first connector to supply power to the electronic fan when coupled with the electronic apparatus, as recited by independent claim 19. Therefore, Applicant respectfully submits that independent claim 19 distinguishes over the cited art.

Dependent claims 20-24 depend, directly or indirectly, from independent claim 19. Therefore, Applicant respectfully submits that dependent claims 20-24 distinguish over the cited art for the same reasons discussed above in regard to independent claim 19.

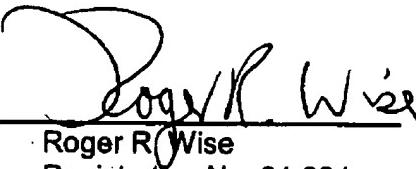
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Applicant believes that the foregoing remarks place the application in condition for allowance, and a favorable action is respectfully requested. If for any reason the Examiner finds the application other than in condition for allowance, the Examiner is requested to call either of the undersigned attorneys at the Los Angeles telephone number (213) 488-7100 to discuss the steps necessary for placing the application in condition for allowance should the Examiner believe that such a telephone conference would advance prosecution of the application.

Respectfully submitted,

PILLSBURY WINTHROP SHAW PITTMAN LLP

Date: September 21, 2005

By: 

Roger R. Wise
Registration No. 31,204
Attorney for Applicant(s)

By: 

Ryan E. Hatch
Registration No. 55,252
Attorney for Applicant(s)

725 South Figueroa Street, Suite 2800
Los Angeles, CA 90017-5406
Telephone: (213) 488-7100
Facsimile: (213) 629-1033



**United States
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Trademark Office**

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Deposit Account Statement

Requested Statement Month: September 2005
Deposit Account Number: 161805
Name: PILLSBURY WINTHROP SHAW PITTMAN LLP.
Attention: JOSIE LOZANO
Address: 725 S FIGUEROA
City: LOS ANGELES
State: CA
Zip: 90017-5406
Country: UNITED STATES OF AMERICA

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Deposit Account Statement

Page 3 of 5

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09/29 200	11235622	41999-316011	1111	\$500.00	\$25,602.00
09/29 201	11235622	41999-316011	1311	\$200.00	\$25,402.00
09/29 202	11235622	41999-316011	1202	\$3,350.00	\$22,052.00
09/29 203	11235622	41999-316011	1201	\$600.00	\$21,452.00
09/30 41	10780158	0308354	1501	\$1,400.00	\$20,052.00
09/30 42	10780158	0308354	1504	\$300.00	\$19,752.00
09/30 43	10780158	0308354	8001	\$30.00	\$19,722.00
09/30 198	11237180	081448-0316742	1011	\$300.00	\$19,422.00
09/30 199	11237180	081448-0316742	1111	\$500.00	\$18,922.00
09/30 200	11237180	081448-0316742	1311	\$200.00	\$18,722.00

START BALANCE	SUM OF CHARGES	SUM OF REPLENISH	END BALANCE
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\$24,832.00	\$82,042.00	\$75,932.00	\$18,722.00
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